

1 tttttttttttttag ATG GAG TTT TCG CTC TTG TTG CCC AGG CTG GAG TGC AAT GGC GCA ATC 62
 1 M E F S L L L P R L E C N Q A I 16
 63 TCA GCT CAC CGC AAC CTC CGC CTC CCG GGT TCA AGC GAT TCT CCT GCC TCA GCC TCC CCA 122
 17 S A H R N L R L P G S S D S P A S A S P 36
 123 GTA GCT GGG ATT ACA GGC ATG TGC ACC CAC GCT CGG CTA ATT TTG TAT TTT TTT TTA GTA 182
 37 V A G I T G M C T H A R L I L Y F F L V 56
 183 GAG ATG GAG TTT CTC CAT GTT GGT CAG GCT GGT CTC GAA CTC CCG ACC TCA GAT GAT CCC 242
 57 E M E F L H V G Q A G L E L P T S D D P 76
 243 TCC GTC TCG GCC TCC CAA AGT GCT AGA TAC AGG ACT GGC CAC CAT GCC CGG CTC TGC CTG 302
 77 S V S A S Q S A R Y R T G H H A R L C L 96
 303 GCT AAT TTT TGT GGT AGA AAC AGG GTT TCA CTG ATG TGC CCA AGC TGG TCT CCT GAG CTC 362
 97 A N F C G R N R V S L M C P S W S P E L 116
 363 AAG CAG TCC ACC TGC CTC AGC CTC CCA AAG TGC TGG GAT TAC AGG CGT GCA GCC GTG CCT 422
 117 K Q S T C L S L P K C W D Y R R A A V P 136
 423 GGC CTT TTT ATT TTA TTT TTT TTA AGA CAC AGG TGT 482
 137 G L F I L F F L R H R C P T L T O D E V 156
 483 542
 157 Q W C D H S S L Q P S T P E I K H P P A 176
 543 602
 177 S A S Q V A G T K D M H H Y T W L I F I 196
 603 662
 197 F I F N F L R Q S L N S V T Q A G V Q W 216
 663 722
 217 R N L G S L Q P L P P G F K L F S C P S 236
 723 782
 237 L L S S W D Y R R P P R L A N F F V F L 256
 783 842
 257 V E M G F T M F A R L I L I S G P C D L 276
 843 902
 277 P A S A S Q S A G I T G V S H H A R L I 296
 903 962
 297 F N F C L F E M E S H S V T Q A G V Q W 316
 963 1022
 317 P N L G S L Q P L P P G L K R F S C L S 336
 1023 1082
 337 L P S S W D Y G H L P P H P A N F C I F 356
 1083 1143
 357 I R G G V S P Y L S G W S Q T P D L R 375
 1144 1223
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 1224 1303
 atgtagcaatgggggtcttgcctatgttgccaggctggtctcaaaactctggctcatgcaatccttccaaatgagcca 1303
 1304 1383
 caacacccagccagtcacattttttaaacagttacatctttatttttagtatactagaaagtaatacaataaacatgtcaa 1383
 1384 1442
 acctgcaaatcagtagtaacagagttcttttataaacttttaacaaagcttttagagca 1442

FIG. 1

Appl. No. 09/964,667; Group Art Unit: 1633
Dkt. No. 0609,4370005; Batch No.: N/A
Inventors: de la Monte *et al.*; Tel: 202/371-2600
Title: Transgenic Animals and Cell Lines for Screening Drugs
Effective for the Treatment or Prevention of Alzheimer's etc.

1	tttttttttttggag	ATG GAG TTT TCG CTC TTG TTG CCC AGG CTG GAG TGC AAT GGC GCA ATC	62
1		<u>M E F S L L L P R L E C N G A I</u>	16
63	TCA GCT CAC CGC AAC CTC CGC CTC CCG GGT TCA AGC GAT TCT CCT GCC TCA GCC TCC CCA	122	
17	S A H R N L R L P G S S D S P A S A S P	36	
123	GTA GCT GGG ATT ACA GGC ATG TGC ACC CAC GCT CGG CTA ATT TTG TAT TTT TTT TTA GTA	182	
37	V A G I T G M C T H A R L I L Y F F L V	56	
183	GAG ATG GAG TTT CTC CAT GTT GGT CAG GCT GGT CTC GAA CTC CCG ACC TCA GAT GAT CCC	242	
57	E M E F L H V G Q A G L E L P T S D D P	76	
243	TCC CTC TCG GCC TCC CAA AGT GCT AGA TAC AGG ACT GGC CAC CAT GCC CGG CTC TGC CTG	302	
77	S V S A S Q S A R Y R T G H A R L C L	96	
303	GCT AAT TTT TGT GGT AGA AAC AGG GTT TCA CTG ATG TGC CCA AGC TGG TCT CCT GAG CTC	362	
97	A N F C G R N R V S L M C P S W S P E L	116	
363	AAG CAG TCC ACC TGC CTC AGC CTC CCA AAG TGC TGG GAT TAC AGG CGT GCA GCC GTG CCT	422	
117	K Q S T C L S L P K C W D Y R R A A V P	136	
423	GGC CTT TTT ATT TTA TTT TTT TTA AGA CAC AGG TGT	482	
137	G L F I L F F L R H R C P T	156	
		<div style="border: 1px solid black; padding: 2px; display: inline-block;">CCC ACT CTT ACC CAG GAT GAA GTG</div>	
		<div style="border: 1px solid black; padding: 2px; display: inline-block;">L T Q D E V</div>	

FIG. 1A

Appl. No. 09/964,667; Group Art Unit: 1633
Dkt. No. 0609.4370005; Batch No.: N/A
Inventors: de la Monte *et al.*; Tel: 202/371-2600
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Effective for the Treatment or Prevention of Alzheimer's etc.

09964667, 012502

483	CAG TGG TGT GAT CAC AGC TCA CTG CAG CCT TCA ACT CCT GAG ATC AAG CAT CCT CCT GCC	542
157	Q W C D H S S L Q P S T P E I K H P P A	176
543	TCA GCC TCC CAA GTA GCT GGG ACC AAA GAC ATG CAC CAC TAC ACC TGG CTA ATT TTT ATT	602
177	S A S Q V A G T K D M H H Y T W L I F I	196
603	TTT ATT TTT AAT TTT TTG AGA CAG AGT CTC AAC TCT GTC ACC CAG GCT GGA GTG CAG TGG	662
197	F I F N F L R Q S L N S V T Q A G V Q W	216
663	CGC AAT CTT GGC TCA CTG CAA CCT CTG CCT CCC GGG TTC AAG TTA TTC TCC TGC CCC AGC	722
217	R N L G S L Q P L P P G F K L F S C P S	236
723	CTC CTG AGT AGC TGG GAC TAC AGG CGC CCA CCA CGC CTA GCT AAT TTT TTT GTA TTT TTA	782
237	L L S S W D Y R R P P R L A N F F V F L	256
783	GTA GAG ATG GGG TTC ACC ATG TTC GCC AGG TTG AIC TTG AIC TCT GGA CCT TGT CAT CTG	842
257	V E M G F T M F A R L I L I S G P C D L	276
843	CCT GCC TCG GCC TCC CAA AGT GCT GGG ATT ACA GGC GTG ACC CAC GGC CGG CTT ATT	902
277	P A S A S Q S A G I T G V S H A R L I	296
903	TTT AAT TTT TGT TTG TTT GAA ATG GAA TCT CAC TCT GTT ACC CAG GCT GGA GTG CAA TGG	962
297	F N F C L F E M E S H S V T Q A G V Q W	316

FIG. 1B

Appl. No. 09/964,667; Group Art Unit: 1633
Dkt. No. 0609.4370005; Batch No.: N/A
Inventors: de la Monte *et al.*; Tel: 202/371-2600
Title: Transgenic Animals and Cell Lines for Screening Drug
Effective for the Treatment or Prevention of Alzheimer's etc.

```
963 CCA AAT CTC GGC TCA CTG CAA CCT CTG CCT CCC GGG CTC AAG CGA TTC TCC TGT CTC AGC 1022
317 P N L G S L Q P L P P G L K R F S C L S 336

1023 CTC CCA AGC AGC TGG GAT TAC GGG CAC CTG CCA CAC CCC GCT AAT TTT TGT ATT TTC 1082
337 L P S S W D Y G H L P P H P A N F C I F 356

1083 ATT AGA GGC GGT TCA CCA TAT TTG TCA GGC TGG TCT CAA ACT CCT GAC CTC AGG tga 1143
357 I R G G V S P Y L S G W S Q T P D L R 375

1144 caacctgcctcagcctccaaagtgcagggttacaggcgtgagccacctcaccagccggctaatcttagataaaaaat 1223

1224 atgtagcaatgggggtcttgctatgttgccaggtggctcaactcttggtctcatgcaatcctccaatgagcca 1303

1304 caacaccagccagtcacattttttaaacagttacatctttatttttagtatactagaagtaatacaataaacatgtcaa 1383

1384 acctgcaattcagtagtaacaggttcttttatataactttttaaaccaagctttagagca 1442
```

FIG. 1C

Appl. No. 09/981,177; Group Art Unit: 1633
Dkt. No. 0609.4370005; Batch No.: N/A
Inventors: de la Monte *et al.*; Tel: 202/371-2600
Title: Transgenic Animals and Cell Lines for Screening Drugs
Effective for the Treatment or Prevention of Alzheimer's etc.

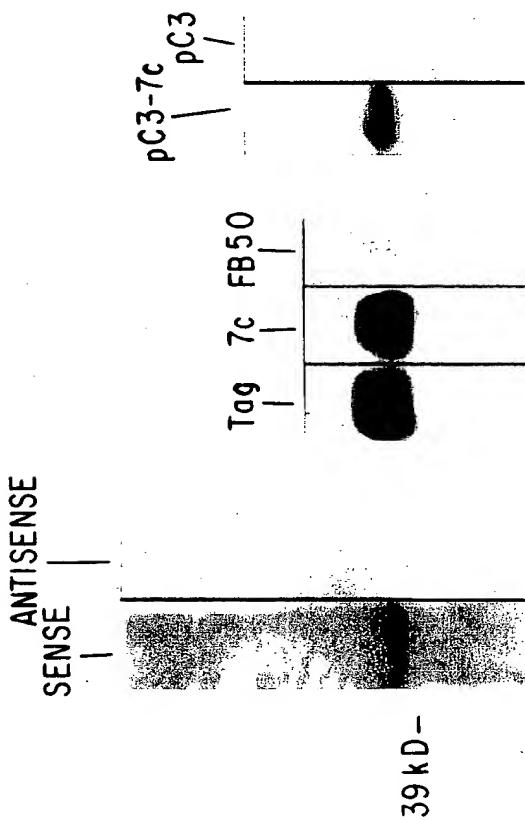
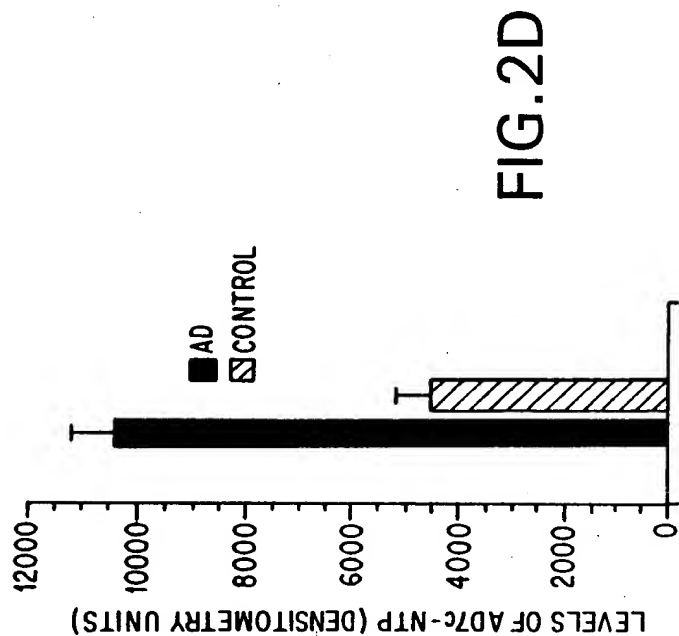
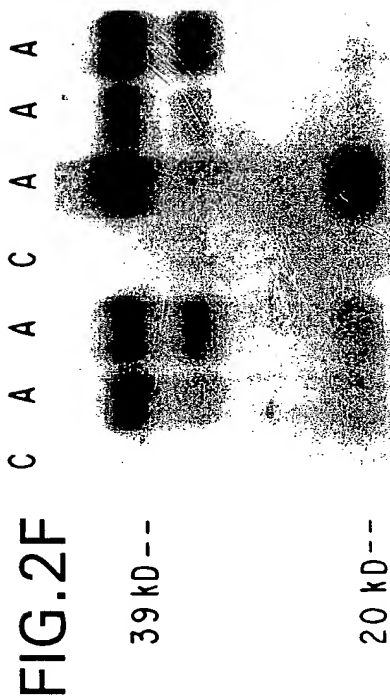
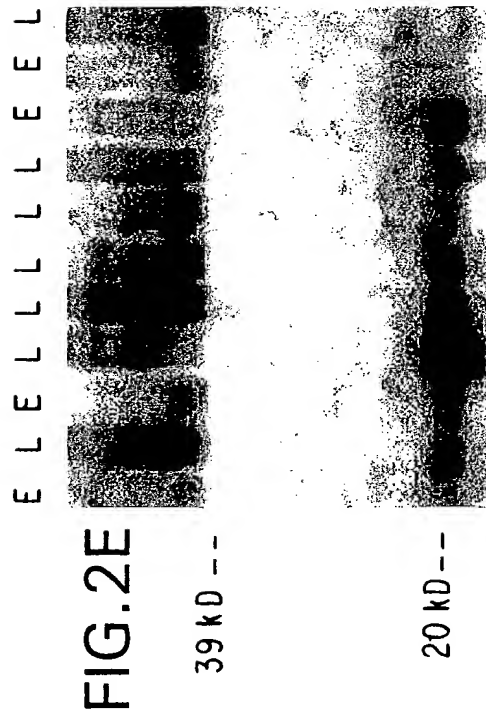


FIG. 2A FIG. 2B FIG. 2C



Appl. No. 09/964,667; Group Art Unit: 1633
 Dkt. No. 0609.4370005; Batch No.: N/A
 Inventors: de la Monte *et al.*; Tel: 202/371-2600
 Title: Transgenic Animals and Cell Lines for Screening Drugs
 Effective for the Treatment or Prevention of Alzheimer's etc.

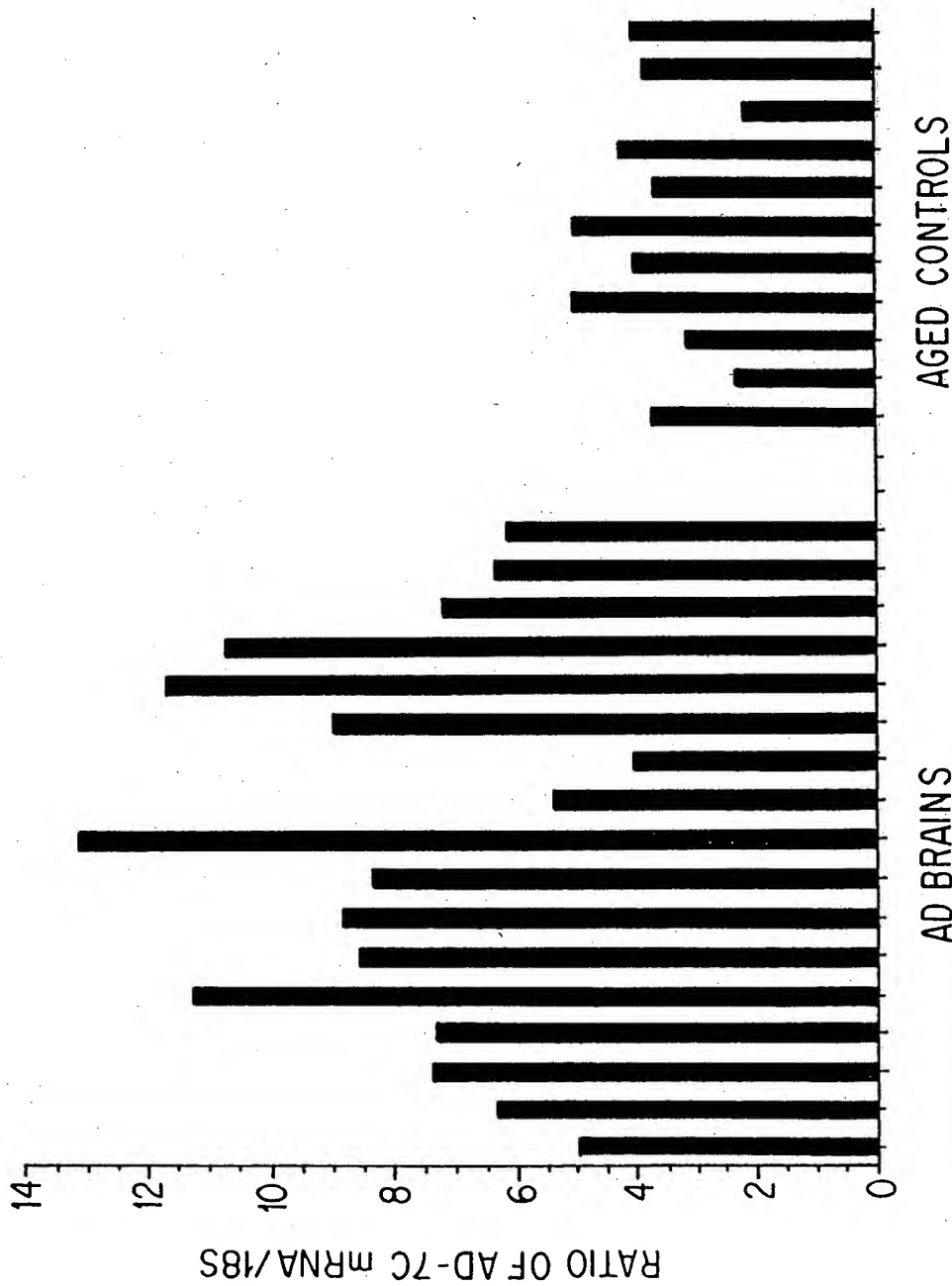


FIG. 3A

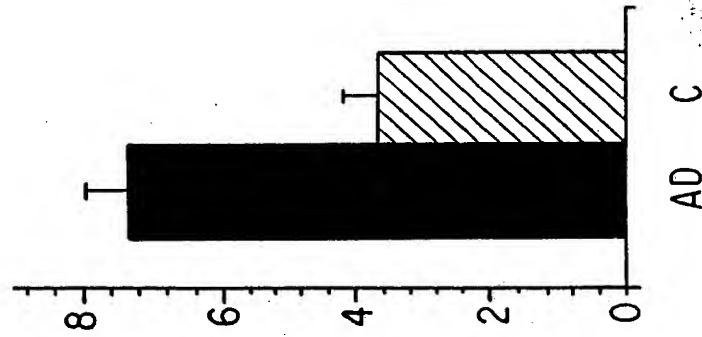


FIG. 3B

Appl. No. 09/964,667; Group Art Unit: 1633
Dkt. No. 0609.4370005; Batch No.: N/A
Inventors: de la Monte *et al.*; Tel: 202/371-2600
Title: Transgenic Animals and Cell Lines for Screening Drug
Effective for the Treatment or Prevention of Alzheimer's etc.



FIG. 3C



FIG. 3D



FIG. 3E



FIG. 3F

Appl. No. 09/964,667; Group Art Unit: 1633
Dkt. No. 0609.4370005; Batch No.: N/A
Inventors: de la Monte *et al.*; Tel: 202/371-2600
Title: Transgenic Animals and Cell Lines for Screening Drugs
Effective for the Treatment or Prevention of Alzheimer's etc.

FIG. 4D



FIG. 4C

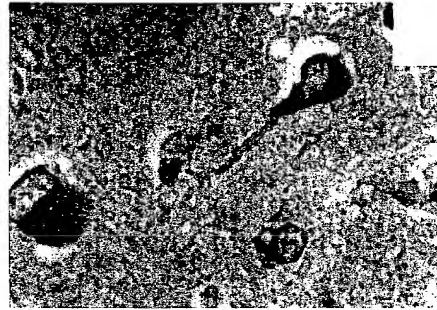


FIG. 4B

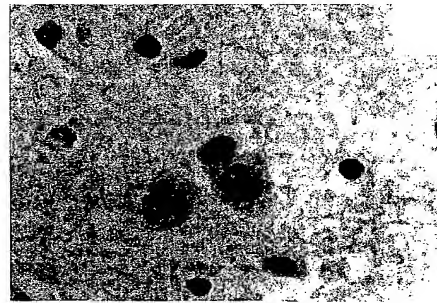


FIG. 4A



FIG. 4H

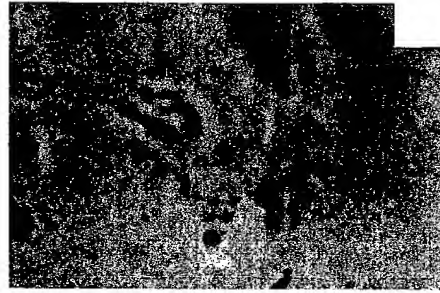


FIG. 4G



FIG. 4F

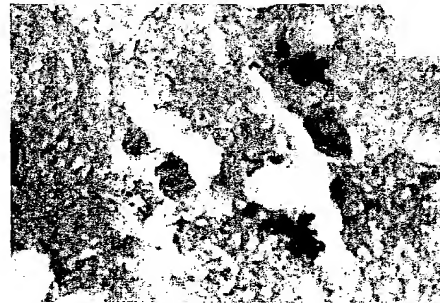


FIG. 4E



Appl. No. 09/964,667; Group Art Unit: 1633
Dkt. No. 0609.4370005; Batch No.: N/A
Inventors: de la Monte *et al.*; Tel: 202/371-2600
Title: Transgenic Animals and Cell Lines for Screening Drugs
Effective for the Treatment or Prevention of Alzheimer's etc.

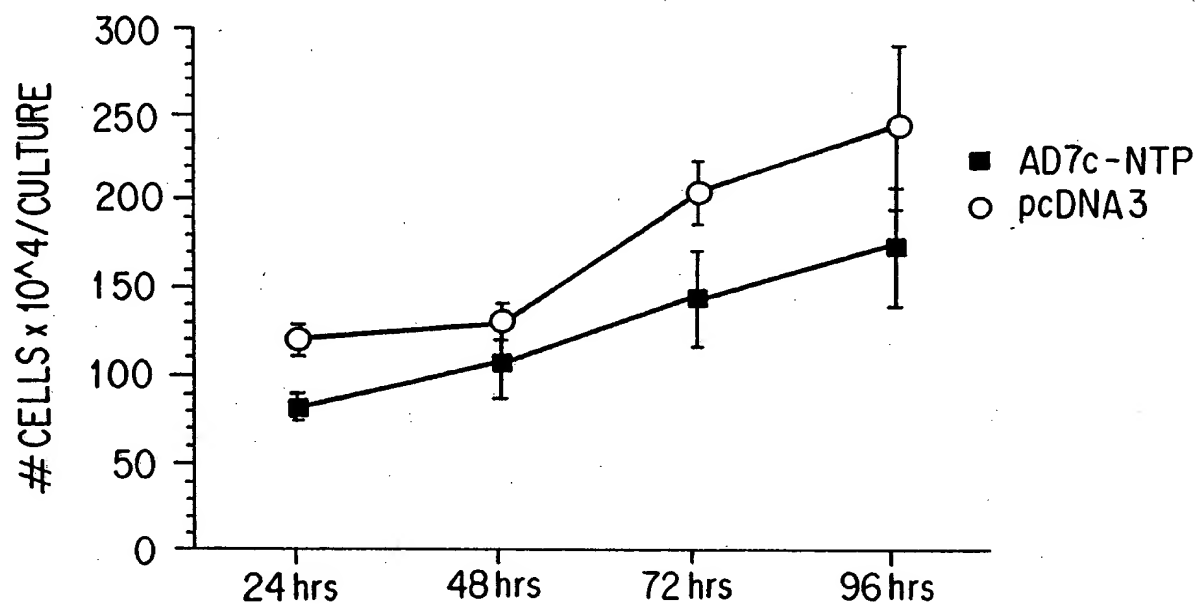


FIG. 5A

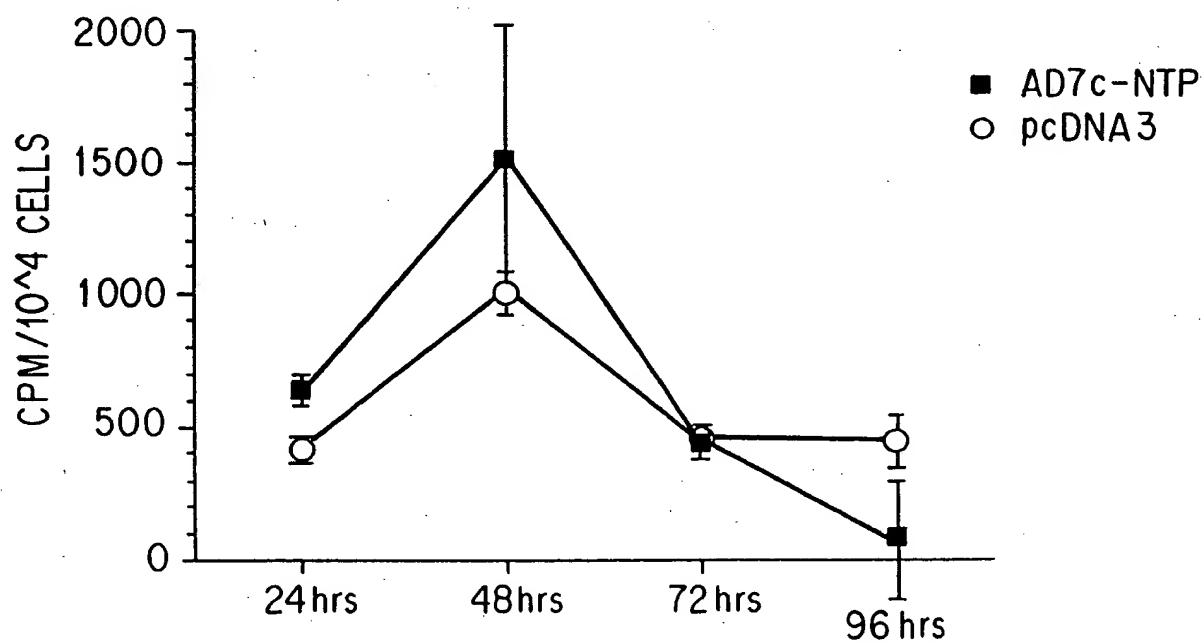


FIG. 5B

Appl. No. 09/964,667; Group Art Unit: 1633
 Dkt. No. 0609.4370005; Batch No.: N/A
 Inventors: de la Monte *et al.*; Tel: 202/371-2600
 Title: Transgenic Animals and Cell Lines for Screening Drug
 Effective for the Treatment or Prevention of Alzheimer's etc.

FIG. 6A FIG. 6B

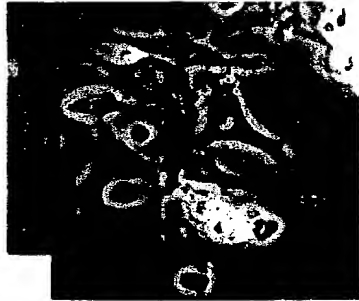
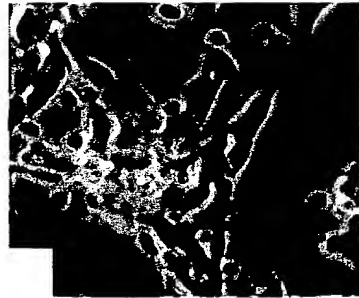


FIG. 6F



FIG. 6G



FIG. 6C FIG. 6D

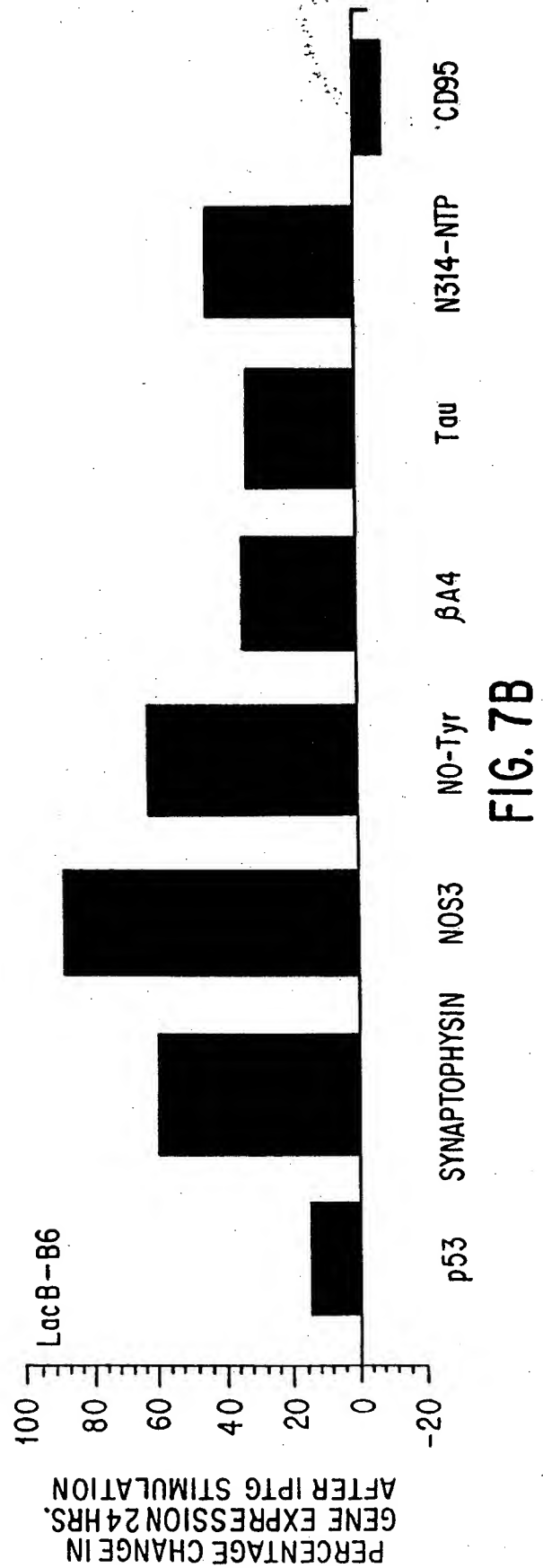
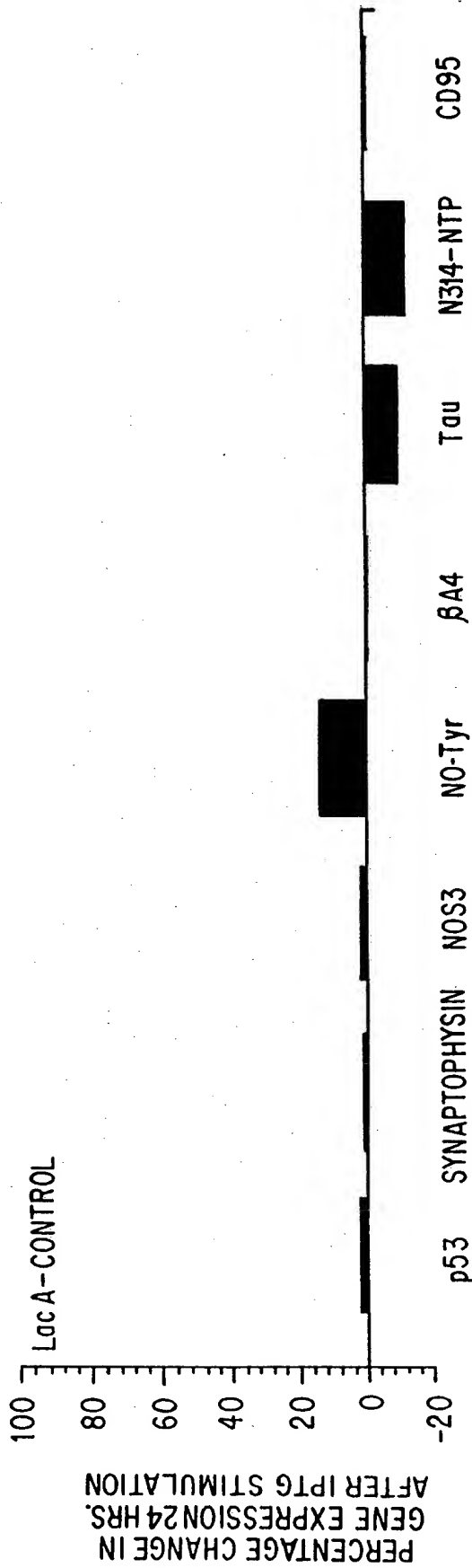


Appl. No. 09/964,667; Group Art Unit: 1633

Dkt. No. 0609.4370005; Batch No.: N/A

Inventors: de la Monte *et al.*; Tel: 202/371-2600

Title: Transgenic Animals and Cell Lines for Screening Drugs Effective for the Treatment or Prevention of Alzheimer's etc.



Appl. No. 0609.4370005; Group Art Unit: 1633
 Dkt. No. 0609.4370005; Batch No.: N/A
 Inventors: de la Monte *et al.*; Tel: 202/371-2600
 Title: Transgenic Animals and Cell Lines for Screening Drugs
 Effective for the Treatment or Prevention of Alzheimer's etc.

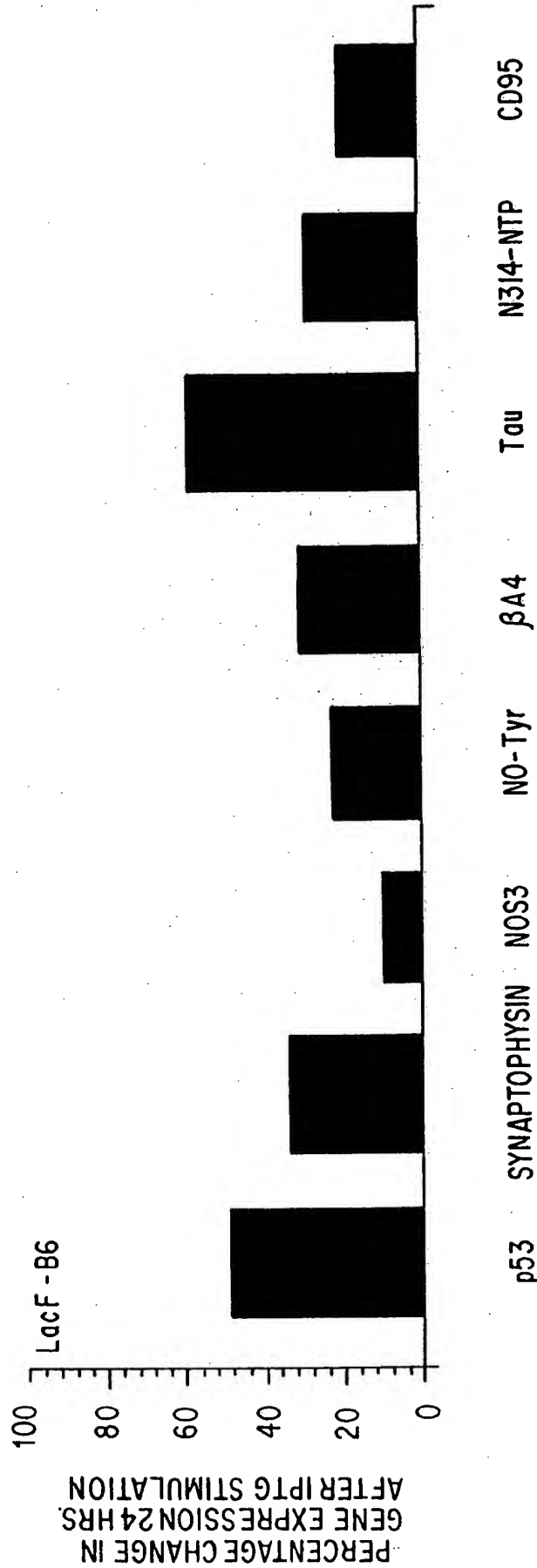


FIG. 7C

Appl. No. 09/964,667; Group Art Unit: 1633
Dkt. No. 0609.4370005; Batch No.: N/A
Inventors: de la Monte *et al.*; Tel: 202/371-2600
Title: Transgenic Animals and Cell Lines for Screening Drug
Effective for the Treatment or Prevention of Alzheimer's etc.

% CHANGE WITH IPTG STIMULATION

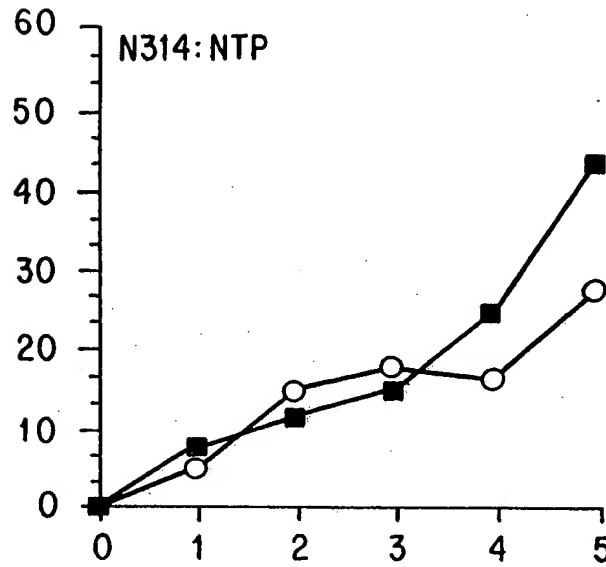


FIG. 8A

% CHANGE WITH IPTG STIMULATION

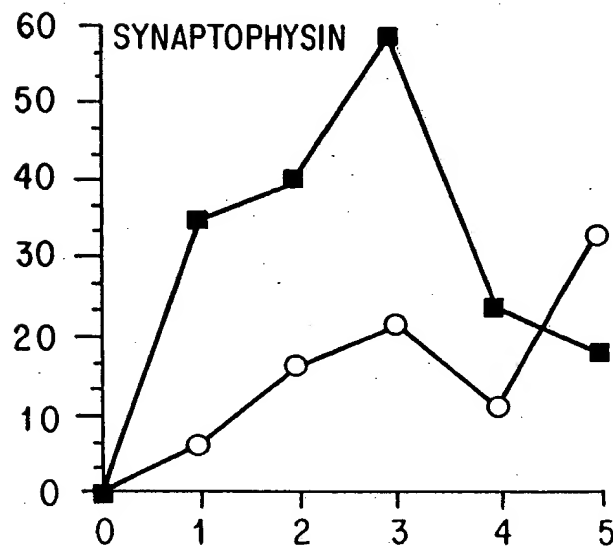


FIG. 8B

Appl. No. 09/964,667; Group Art Unit: 1633
Dkt. No. 0609.4370005; Batch No.: N/A
Inventors: de la Monte *et al.*; Tel: 202/371-2600
Title: Transgenic Animals and Cell Lines for Screening Drugs
Effective for the Treatment or Prevention of Alzheimer's etc.

% CHANGE WITH IPTG STIMULATION

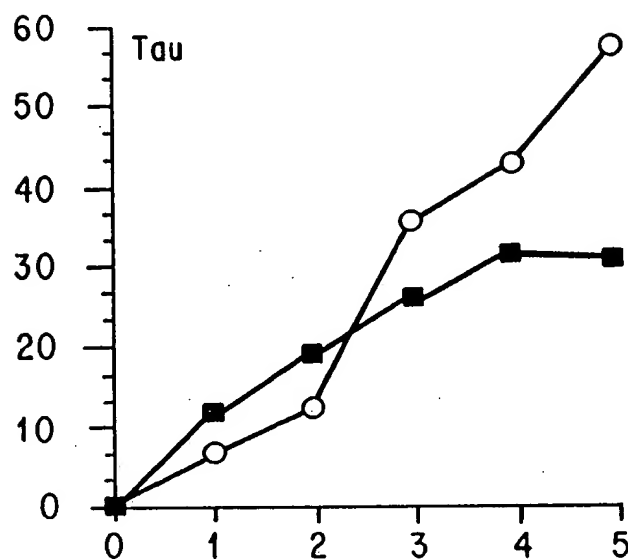


FIG. 8C

% CHANGE WITH IPTG STIMULATION

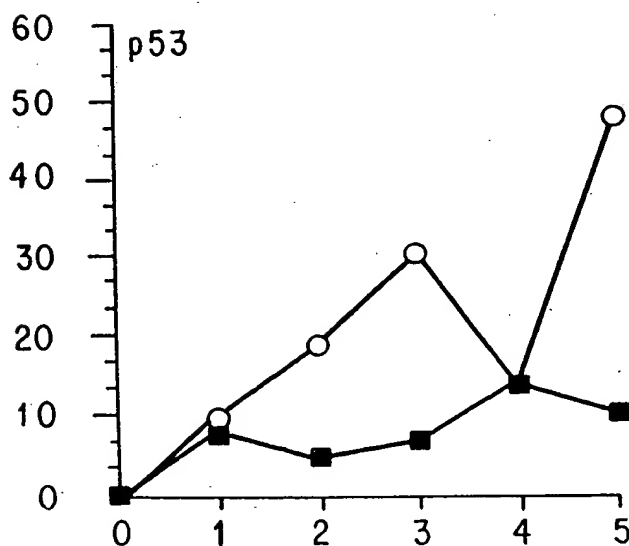


FIG. 8D

Appl. No. 09/964,667; Group Art Unit: 1633
 Dkt. No. 0609.4370005; Batch No.: N/A
 Inventors: de la Monte *et al.*; Tel: 202/371-2600
 Title: Transgenic Animals and Cell Lines for Screening Drugs
 Effective for the Treatment or Prevention of Alzheimer's etc.

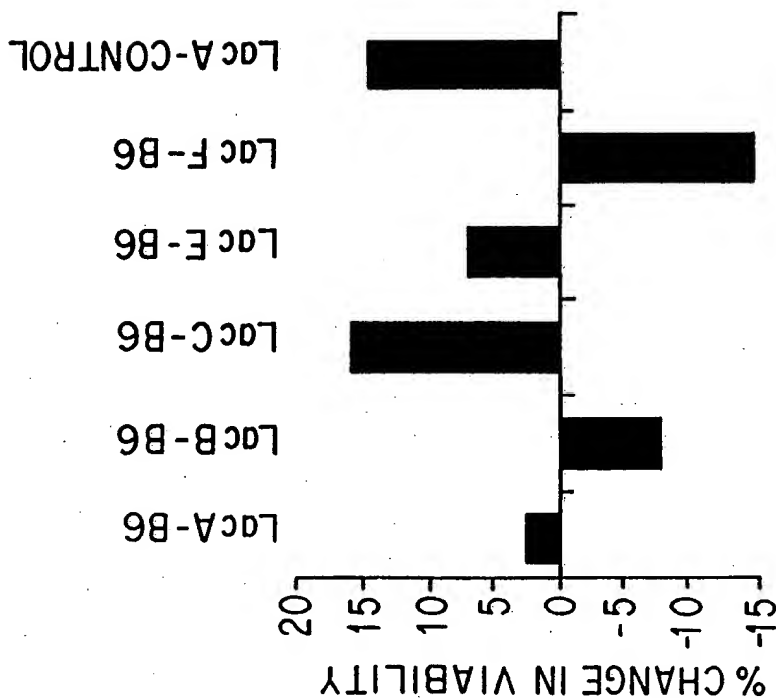


FIG. 9B

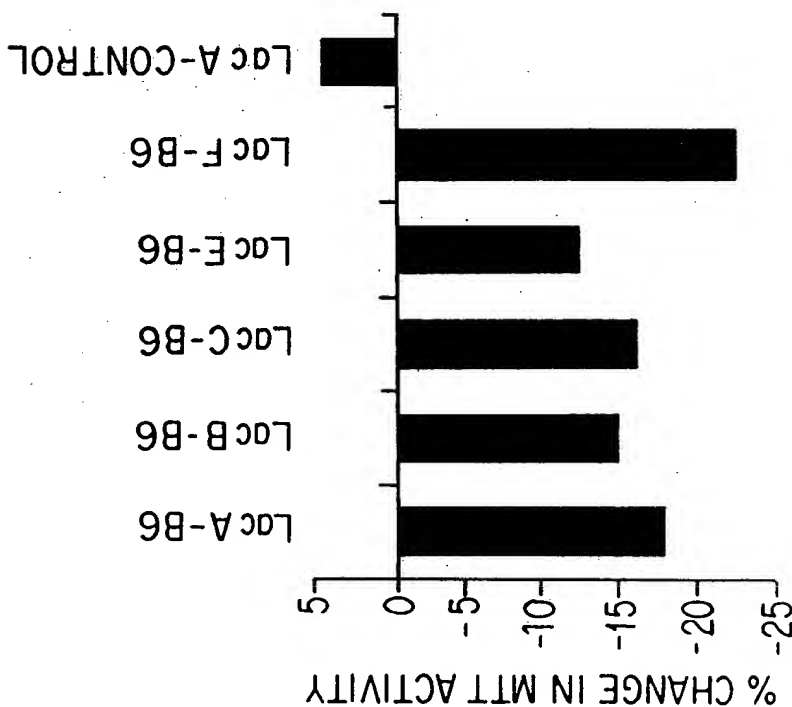


FIG. 9A

Appl. No. 09/964,667; Group Art Unit: 1633
Dkt. No. 0609,4370005; Batch No.: N/A
Inventors: de la Monte *et al.*; Tel: 202/371-2600
Title: Transgenic Animals and Cell Lines for Screening Drug
Effective for the Treatment or Prevention of Alzheimer's etc.

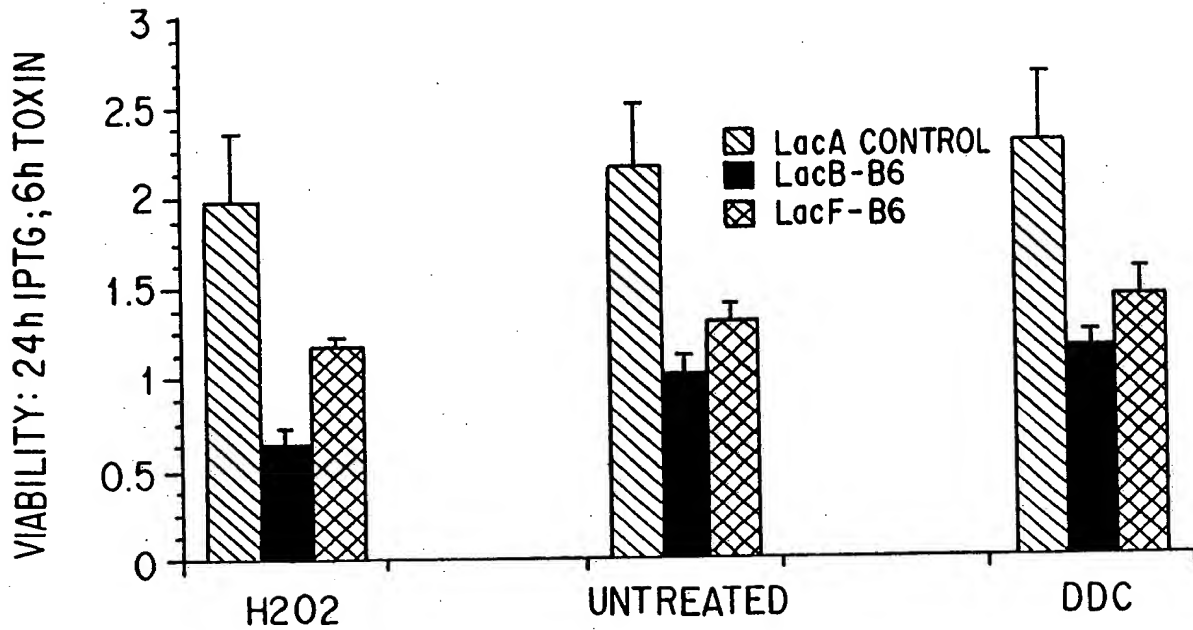


FIG. 10A

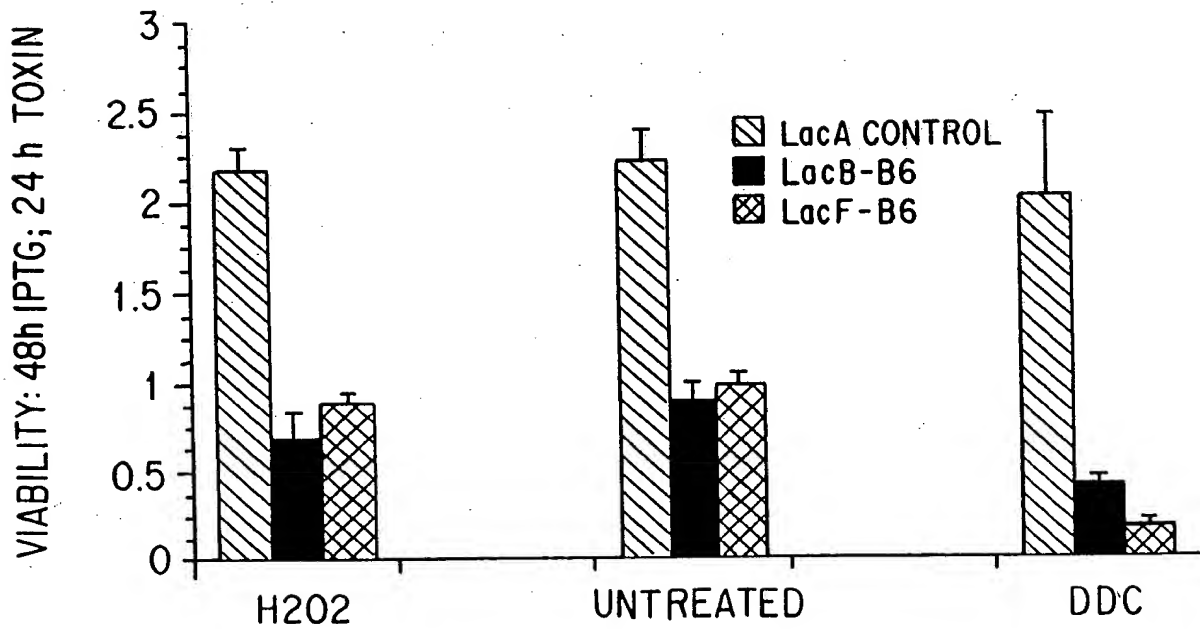


FIG. 10B

Appl. No. 09/964,667; Group Art Unit: 1633

Dkt. No. 0609.4370005; Batch No.: N/A

Inventors: de la Monte *et al.*; Tel: 202/371-2600

Title: Transgenic Animals and Cell Lines for Screening Drugs

Effective for the Treatment or Prevention of Alzheimer's etc.

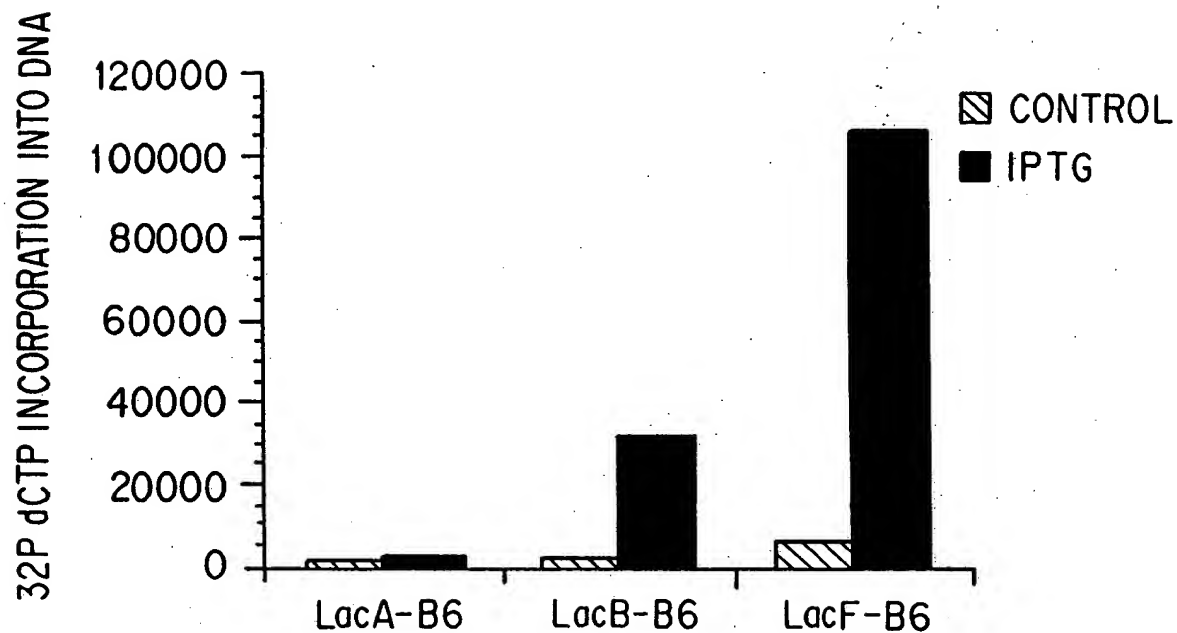


FIG. 11

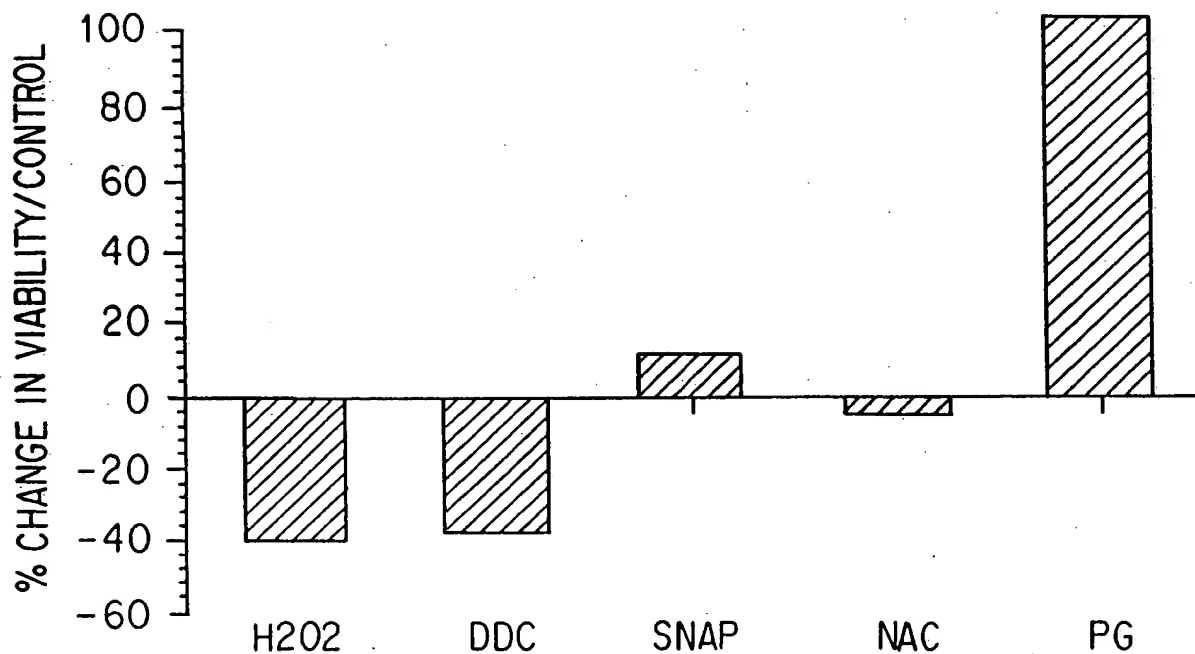


FIG. 12